

GENERAL NOTES

1. PRECAST CONCRETE BOX CULVERTS 12'x6' shall conform to the requirements of Article 540.06 of the Standard Specifications, the Special Provisions and the applicable requirements of ASTM C1577.

Excavation and backfill required for bedding and placement of the PRECAST CONCRETE BOX CULVERTS 12'x6' shall be in accordance with Article 540.06, the details in the plans and the Special Provisions.

The minimum precast concrete strength shall be 5,000 psi.

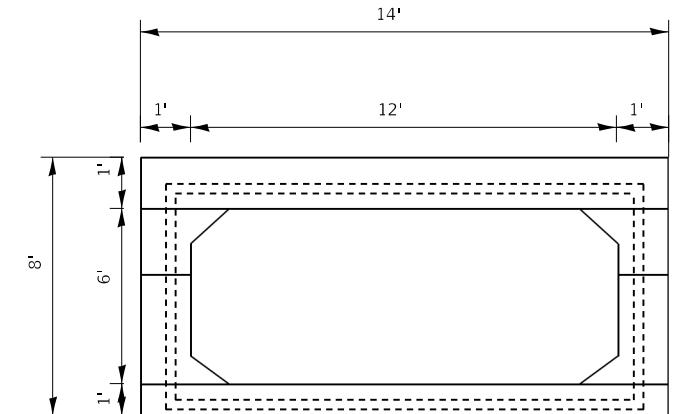
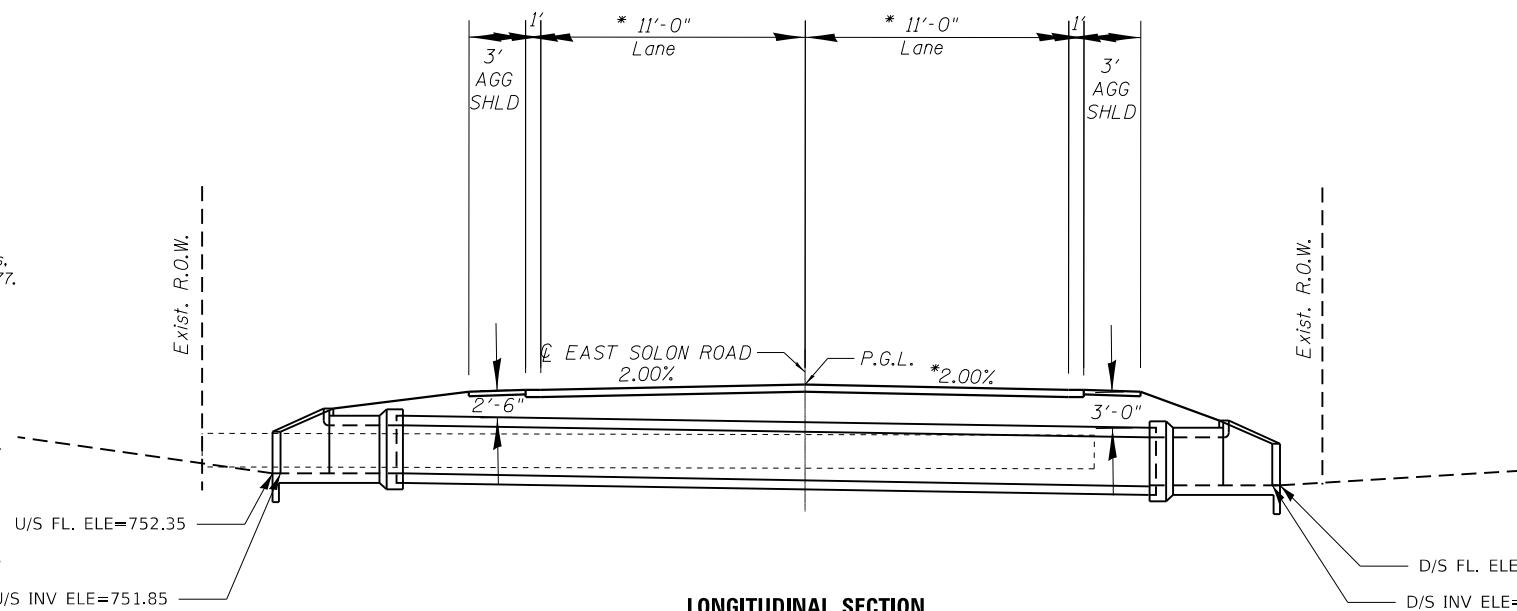
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

Fill varies 2'-6" to 3'-0"

3. Contractor shall maintain streamflow in accordance with the Standard Specifications Article 502.

4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

5. Reinforcement bars designated (E) shall be epoxy coated



GENERAL NOTES

1. PRECAST CONCRETE BOX CULVERT 12'x6' SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FILL = 2.0 FT.

2. THE MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI.

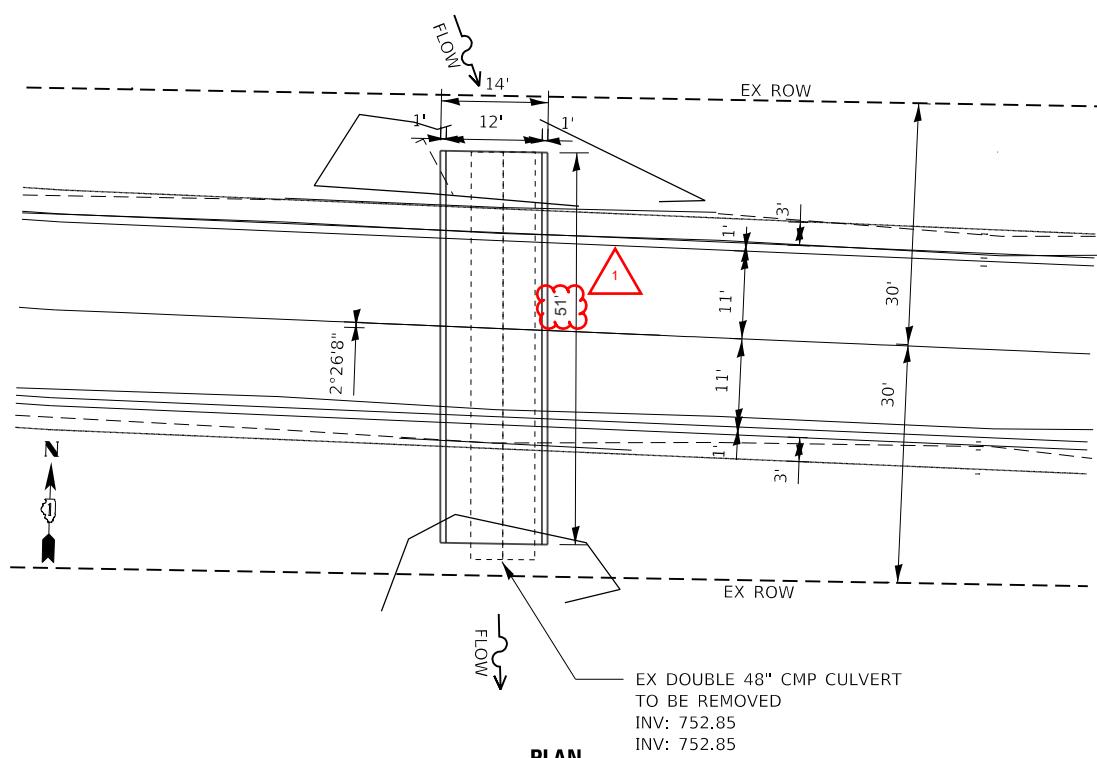
3. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

BENCHMARK 1:

SITE BENCHMARK 50:
RAILROAD SPIKE
IN UTILITY POLE
EL: 760.53 (NAVD 88)

EXISTING PIPE CULVERT:

THE EXISTING PIPE CULVERT CONSISTS OF TWO (2) 48" CMP CULVERTS APPROXIMATELY 5' LONG.
STAGED CONSTRUCTION WILL BE UTILIZED.



WATERWAY INFORMATION

Drainage Area = 0.25 Sq. mi.								
Flood	Freq. Yr.	O. C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.		
10	321	16	53	757.0	3.3	0.3	760.3 757.3	
Design	30	459	16	64	757.4	3.2	0.8	760.6 758.2
50	515	16	66	757.5	3.2	1.0	760.7 758.5	
Base	100	602	16	66	757.7	3.1	2.1	760.8 759.8
Max. Calc.	500	813	16	66	758.1	3.0	2.3	761.1 760.4

10-YEAR VELOCITY THROUGH EXISTING STRUCTURE=7.7 FT/S

10-YEAR VELOCITY THROUGH PROPOSED STRUCTURE=3.4 FT/S

2-YEAR FLOW RATE=137 CU FT/S